CLAIMS

- 1. A process for ex situ oxidizing passivation of a hydrocarbon hydroconversion catalyst, in which said sulphurized catalyst undergoes at least two treatments: contact with at least one oxidizing gaseous stream, and contact with at least one organic liquid with an initial boiling point of more than 120°C which at least partially fills the pores of the catalyst.
- 2. A process according to claim 1, in which in a first step, said sulphurized catalyst is brought into contact with at least one oxidizing gas stream and in a second step, it is brought into contact with said organic liquid.
- 3. A process according to claim 1, in which in a first step, said sulphurized catalyst is brought into contact with said organic liquid and in a second step, it is brought into contact with at least one oxidizing gas stream.

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- 4. A process according to one of claims 1 to 3, in which contact with said gas stream is carried out in two stages, the first in a partial pressure of oxygen of less than 8 kPa, the second in a partial pressure of oxygen that is higher than that of the first stage and at most 21.3 kPa.
- 5. A process according to claim 4, in which the second stage of the first step is carried out in air.
- 6. A process according to claim 1, in which contact with said gas stream is carried out in one or more stages with one or more gas streams all having a partial pressure of oxygen of more than 8 kPa.
- 7. A process according to claim 6 in which the stream or streams is/are air.
- 8. A process according to one of the preceding claims, in which the catalyst is in motion.
- 25 9. A process according to claim 8, in which the catalyst is in a moving bed.
 - 10. A process according to claim 9, carried out in a rotary oven, a fluidized bed oven, a band oven, a gravity bed reactor oven or a rising bed device.
 - 11. A process according to one of the preceding claims, in which said organic liquid used in the second step is selected from the group formed by kerosene, gas oil, vacuum distillates, a lube oil, waxes and paraffins with an initial boiling point of more than 180°C.
 - 12. A process according to one of the preceding claims, in which said organic compound contains at least one heteroatom selected from oxygen, sulphur and nitrogen.

- 13. A process according to claim 12, in which said organic compound is selected from alcohols, aldehydes, ketones, esters, amines, amides, mercaptans, sulphides and sulphones.
- 14. A process according to claim 13, in which the organic compound is an ester, preferably selected from animal or vegetable oils and partially unsaturated fatty acid triglycerides.

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